

ABSTRACT

A flat panel display with input device having enhanced assemblability and lowered failure rate is achieved by connecting a touch screen driver with a display driver.

Signal distortion is reduced by simplifying wiring. Reduction of signal distortion in an

5 input device or a flat panel display and economic benefit in its manufacture occurs by
constructing a display driver and a touch screen driver on the identical printed circuit
board (PCB). A flat panel display with input device includes a display driver and a touch
screen driver constructed by separate PCBs; an interface for connecting PCBs disposed
on control boards; wiring on the touch screen configured to come into contact with the
10 display driver board to be electrically connected to the board for the touch screen driver;
and touch screen wiring provided on the control board for the display so the display
driver board and the touch screen driver board can be electrically connected to each other
through the interface, and wiring drawn from the touch screen contacts the display
control board. The flat panel display with input device can include a display driver and
15 touch screen driver constructed on the identical PCB; and separate controllers added to
drivers on the display driver board and the touch screen driver board to drive the display
and the touch screen. The touch screen controller includes at least one clock, an A/D
converter, and an interface for mediating data for the touch screen.